

R. Hutson

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05/07/0

RAW SEQUENCE LISTING DATE: 11/28/2000
PATENT APPLICATION: US/09/502,498 TIME: 14:54:34

Input Set : A:\09502498.txt
Output Set: N:\CRF3\11282000\I502498.raw

ENTERED

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60 ggagccagaat cgltcccgag agaaaaaggagg gcccgcgtc tcaacctcgag ggtyaaggca 1980
61 ctgttcagecg tgctcaacta cgagccggcg cggcqcggcg ccctctqgg cyccctctgtg 2040
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94 aaaa 3964
95 <210> SEQ ID NO: 2
96 <211> LENGTH: 1132
97 <212> TYPE: PRT
98 <213> ORGANISM: Homo sapiens
99 <400> SEQUENCE: 2
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101 1 5 10 15
102 His Tyr Arg Glu Val Leu Pro Leu Ala Thr Phe Val Arg Arg Leu Gly
103 20 25 30
104 Pro Gln Gly Trp Arg Leu Val Gln Arg Gly Asp Pro Ala Ala Phe Arg
105 35 40 45
106 Ala Leu Val Ala Gln Cys Leu Val Cys Val Pro Trp Asp Ala Arg Pro
107 50 55 60

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114 Pro Pro Ala Ala Pro Ser Phe Arg Gln Val Ser Cys Leu Lys Glu Leu
115   65           70           75           80
117 Val Ala Arg Val Leu Gln Arg Leu Cys Glu Arg Gly Ala Lys Asn Val
118           85           90           95
120 Leu Ala Phe Gly Phe Ala Leu Leu Asp Gly Ala Arg Gly Gly Pro Pro
121           100          105          110
123 Glu Ala Phe Thr Thr Ser Val Arg Ser Tyr Leu Pro Asn Thr Val Thr
124           115          120          125
126 Asp Ala Leu Arg Gly Ser Gly Ala Trp Gly Leu Leu Leu Arg Arg Val
127           130          135          140
129 Gly Asp Asp Val Leu Val His Leu Leu Ala Arg Cys Ala Leu Phe Val
130           145          150          155          160
132 Leu Val Ala Pro Ser Cys Ala Tyr Gln Val Cys Gly Pro Pro Leu Tyr
133           165          170          175
135 Gln Leu Gly Ala Ala Thr Gln Ala Arg Pro Pro Pro His Ala Ser Gly
136           180          185          190
138 Pro Arg Arg Arg Leu Gly Cys Glu Arg Ala Trp Asn His Ser Val Arg
139           195          200          205
141 Glu Ala Gly Val Pro Leu Gly Leu Pro Ala Pro Gly Ala Arg Arg Arg
142           210          215          220
144 Gly Gly Ser Ala Ser Arg Ser Leu Pro Leu Pro Lys Arg Pro Arg Arg
145           225          230          235          240
147 Gly Ala Ala Pro Glu Pro Glu Arg Thr Pro Val Gly Gln Gly Ser Trp
148           245          250          255
150 Ala His Pro Gly Arg Thr Arg Gly Pro Ser Asp Arg Gly Phe Cys Val
151           260          265          270
153 Val Ser Pro Ala Arg Pro Ala Glu Glu Ala Thr Ser Leu Glu Gly Ala
154           275          280          285
156 Leu Ser Gly Thr Arg His Ser His Pro Ser Val Gly Arg Gln His His
157           290          295          300
159 Ala Gly Pro Pro Ser Thr Ser Arg Pro Pro Arg Pro Trp Asp Thr Pro
160           305          310          315          320
162 Cys Pro Pro Val Tyr Ala Glu Thr Lys His Phe Leu Tyr Ser Ser Gly
163           325          330          335
165 Asp Lys Glu Gln Leu Arg Pro Ser Phe Leu Leu Ser Ser Leu Arg Pro
166           340          345          350
168 Ser Leu Thr Gly Ala Arg Arg Leu Val Glu Thr Ile Phe Leu Gly Ser
169           355          360          365
171 Arg Pro Trp Met Pro Gly Thr Pro Arg Arg Leu Pro Arg Leu Pro Gln
172           370          375          380
174 Arg Tyr Trp Gln Met Arg Pro Leu Phe Leu Glu Leu Leu Gly Asn His
175           385          390          395          400
177 Ala Gln Cys Pro Tyr Gly Val Leu Leu Lys Thr His Cys Pro Leu Arg
178           405          410          415
180 Ala Ala Val Thr Pro Ala Ala Gly Val Cys Ala Arg Glu Lys Pro Gln
181           420          425          430
183 Gly Ser Val Ala Ala Pro Glu Glu Asp Thr Asp Pro Arg Arg Leu
184           435          440          445
186 Val Gln Leu Leu Arg Gln His Ser Ser Pro Trp Gln Val Tyr Gly Phe

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187	450	455	460
189	Val Arg Ala Cys Leu Arg Arg Leu Val Pro Pro Gly Leu Trp Gly Ser		
190	465	470	475
192	Arg His Asn Glu Arg Arg Phe Leu Arg Asn Thr Lys Lys Phe Ile Ser		480
193	485	490	495
195	Leu Gly Lys His Ala Lys Leu Ser Leu Gln Glu Leu Thr Trp Lys Met		
196	500	505	510
198	Ser Val Arg Asp Cys Ala Trp Leu Arg Arg Ser Pro Gly Val Gly Cys		
199	515	520	525
201	Val Pro Ala Ala Glu His Arg Leu Arg Glu Glu Ile Leu Ala Lys Phe		
202	530	535	540
204	Leu His Trp Leu Met Ser Val Tyr Val Val Glu Leu Leu Arg Ser Phe		
205	545	550	555
207	Phe Tyr Val Thr Glu Thr Phe Gln Lys Asn Arg Leu Phe Phe Tyr		560
208	565	570	575
210	Arg Lys Ser Val Trp Ser Lys Leu Gln Ser Ile Gly Ile Arg Gln His		
211	580	585	590
213	Leu Lys Arg Val Gln Leu Arg Glu Leu Ser Glu Ala Glu Val Arg Gln		
214	595	600	605
216	His Arg Glu Ala Arg Pro Ala Leu Leu Thr Ser Arg Leu Arg Phe Ile		
217	610	615	620
219	Pro Lys Pro Asp Gly Leu Arg Pro Ile Val Asn Met Asp Tyr Val Val		
220	625	630	635
222	Gly Ala Arg Thr Phe Arg Arg Glu Lys Arg Ala Glu Arg Leu Thr Ser		640
223	645	650	655
225	Arg Val Lys Ala Leu Phe Ser Val Leu Asn Tyr Glu Arg Ala Arg Arg		
226	660	665	670
228	Pro Gly Leu Leu Gly Ala Ser Val Leu Gly Leu Asp Asp Ile His Arg		
229	675	680	685
231	Ala Trp Arg Thr Phe Val Leu Arg Val Arg Ala Gln Asp Pro Pro Pro		
232	690	695	700
234	Glu Leu Tyr Phe Val Lys Val Asp Val Thr Gly Ala Tyr Asp Thr Ile		
235	705	710	715
237	720		
238	Pro Gln Asp Arg Leu Thr Glu Val Ile Ala Ser Ile Ile Lys Pro Gln		
240	725	730	735
241	Asn Thr Tyr Cys Val Arg Arg Tyr Ala Val Val Gln Lys Ala Ala His		
242	740	745	750
243	Gly His Val Arg Lys Ala Phe Lys Ser His Val Ser Thr Leu Thr Asp		
244	755	760	765
246	Leu Gln Pro Tyr Met Arg Gln Phe Val Ala His Leu Gln Glu Thr Ser		
247	770	775	780
249	Pro Leu Arg Asp Ala Val Val Ile Glu Gln Ser Ser Ser Leu Asn Glu		
250	785	790	795
252	800		
253	Ala Ser Ser Gly Leu Phe Asp Val Phe Leu Arg Phe Met Cys His His		
254	805	810	815
255	Ala Val Arg Ile Arg Gly Lys Ser Tyr Val Gln Cys Gln Gly Ile Pro		
256	820	825	830
258	Gln Gly Ser Ile Leu Ser Thr Leu Leu Cys Ser Leu Cys Tyr Gly Asp		
259	835	840	845

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261 Met Glu Asn Lys Leu Phe Ala Gly Ile Arg Arg Asp Gly Leu Leu Leu
262      850          855          860
264 Arg Leu Val Asp Asp Phe Leu Leu Val Thr Pro His Leu Thr His Ala
265 865          870          875          880
267 Lys Thr Phe Leu Arg Thr Leu Val Arg Gly Val Pro Glu Tyr Gly Cys
268      885          890          895
270 Val Val Asn Leu Arg Lys Thr Val Val Asn Phe Pro Val Glu Asp Glu
271      900          905          910
273 Ala Leu Gly Gly Thr Ala Phe Val Gln Met Pro Ala His Gly Leu Phe
274      915          920          925
276 Pro Trp Cys Gly Leu Leu Asp Thr Arg Thr Leu Glu Val Gln Ser
277      930          935          940
279 Asp Tyr Ser Ser Tyr Ala Arg Thr Ser Ile Arg Ala Ser Leu Thr Phe
280 945          950          955          960
282 Asn Arg Gly Phe Lys Ala Gly Arg Asn Met Arg Arg Lys Leu Phe Gly
283      965          970          975
285 Val Leu Arg Leu Lys Cys His Ser Leu Phe Leu Asp Leu Gln Val Asn
286      980          985          990
288 Ser Leu Gln Thr Val Cys Thr Asn Ile Tyr Lys Ile Leu Leu Gln
289      995          1000         1005
291 Ala Tyr Arg Phe His Ala Cys Val Leu Gln Leu Pro Phe His Gln Gln
292 1010          1015         1020
294 Val Trp Lys Asn Pro Thr Phe Phe Leu Arg Val Ile Ser Asp Thr Ala
295 1025          1030         1035         1040
297 Ser Leu Cys Tyr Ser Ile Leu Lys Ala Lys Asn Ala Gly Met Ser Leu
298      1045         1050         1055
300 Gly Ala Lys Gly Ala Ala Gly Pro Leu Pro Ser Glu Ala Val Gln Trp
301      1060         1065         1070
303 Leu Cys His Gln Ala Ala Phe Leu Leu Lys Leu Thr Arg His Arg Val Thr
304      1075         1080         1085
306 Tyr Val Pro Leu Leu Gly Ser Leu Arg Thr Ala Gln Thr Gln Leu Ser
307      1090         1095         1100
309 Arg Lys Leu Pro Gly Thr Thr Leu Thr Ala Leu Glu Ala Ala Ala Asn
310 1105          1110         1115         1120
312 Pro Ala Leu Pro Ser Asp Phe Lys Thr Ile Leu Asp
313      1125         1130
316 <210> SEQ ID NO: 3
317 <211> LENGTH: 1031
318 <212> TYPE: PRT
319 <213> ORGANISM: Eupliotes aediculatus
321 <400> SEQUENCE: 3
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323 1          5          10          15
325 Ala Leu Lys Thr Cys Glu Glu Ile Lys Glu Ala Lys Thr Leu Tyr Ser
326      20          25          30
328 Trp Ile Gln Lys Val Ile Arg Cys Arg Asn Gln Ser Gln Ser His Tyr
329      35          40          45
331 Lys Asp Leu Glu Asp Ile Lys Ile Phe Ala Gln Thr Asn Ile Val Ala
332      50          55          60

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VERIFICATION SUMMARY DATE: 11/28/2000
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L:1043 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:1360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:3368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:9331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91
L:9368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93
L:9410 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95